

WHAT IS CLAIMED IS:

1. A color liquid crystal display device comprising a liquid crystal display part, and light sources for irradiating the liquid crystal display part with lights of three primary colors, respectively, the device performing display of one frame by respective fields of three primary colors and a white field displayed with a mixture of the three primary colors in the liquid crystal display part,
5 wherein the device further comprises:
means for comparing brightness levels of inputted three primary color signals for one frame with each other to define a maximum value thereof as a brightness level of a white signal for one frame;
10 means for setting a proportion of the brightness level of the white signal to be displayed in the white field; and
15 a light source driving part for driving the light sources of the three primary colors so that the white field emits light depending on the brightness level of the white signal and the proportion.
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2. A color liquid crystal display device comprising a liquid crystal display part, and light sources for irradiating the liquid crystal display part with lights of the three primary colors, respectively, the device performing display of one frame by
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respective fields of the three primary colors and a white field displayed with a mixture of the three primary colors in the liquid crystal display part.

5 wherein the device further comprises a light source driving part for driving the light sources of the three primary colors, and

10 wherein when brightness levels of inputted three primary color signals for one frame are compared with each other to define a maximum value thereof as a brightness level of a white signal for one frame, the light source driving part is driven depending on the brightness level of the white signal, and a proportion of the brightness level of the white signal to be displayed with the white field.

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3. The color liquid crystal display device according to claim 1, wherein the proportion is automatically set depending on changes of displayed image information.

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4. The color liquid crystal display device according to claim 1, wherein the proportion is set by a manual switch.

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5. The color liquid crystal display device according to claim 1, wherein in a frame with the proportion equal to 0%, one frame is divided into three fields to perform display only by three-color fields.